


## Improvements in or relating to a heat sink for the mounting of temperature-sensitive electrical components

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**Inventor:** VINZENZ TAJBL FRANZ; KARL REGNER; PERLICK; ALBERT DR  
**Applicant:** LINDE AG;; STANDARD ELEKTRIK LORENZ AG;; VER DEUTSCHE METALLWERKE AG  
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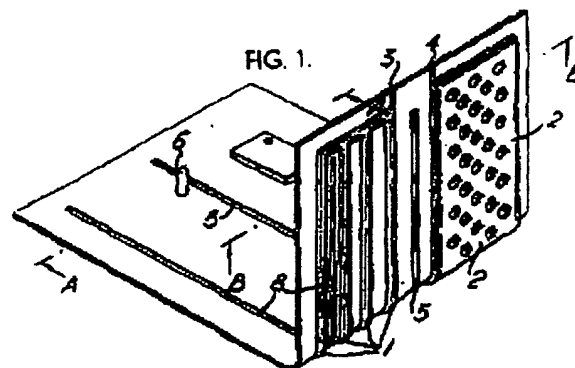
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1,090,628. Mounting electrical equipment. INTERNATIONAL STANDARD ELECTRIC CORPORATION. Oct. 22, 1965 [Oct. 24, 1964], No. 44757/65. Heading H1R. [Also in Division F4]  
An angled mounting plate for temperature-sensitive electrical components comprises two channel systems 1 and 2 containing different evaporating and condensing refrigerants. A slot 5 is provided for minimizing thermal conduction between the systems. A further slot 8 minimizes thermal conduction to one of the channels of system 1 so that refrigerant condensing in the vertical limb of the plate can run down that channel without being impeded by rising vapour. Electrical components 6, e.g. electron tubes, power transistors and semi-conductor rectifiers, are mounted on the plate which may also serve to conduct current. The plate may be formed of aluminium plated with silver and may be provided with integral or attached fins (Figs. 5 and 6, not shown). Further channel systems may be formed in the plate for connection to a source of cooling water. The refrigerants may comprise CFC1 3 and C 2 F 3 Cl 3 .



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